

The background of the slide is a photograph of a person's hand holding a transparent, hexagonal object. Inside the hexagon, there is a white keyhole shape. The person is wearing a light blue denim shirt. The background is a solid light green color.

# FortiOS 6.0 aus der Praxis - Einleitung

24. Oktober 2018 – Emmen

- Martin Ruesch, Technical Consultant, ALSO
  - Gabriel Kaelin, Jonas Walker & Markus Frey, Systems Engineer, Fortinet
-

# Agenda

Thema	Inhalt	Wer	Zeit
Registration		Martin Ruesch	08:30 – 09:00
Welcome	ALSO Schweiz NSE Programm und weitere Schulungstermine	Ivo Tibolla	09:00 – 09:15
<b>AD-VPN</b>	Was ist AD-VPN und was für einen Nutzen bringt es? Wie konfiguriere ich AD-VPN. Wir werden eine Konfiguration direkt live vornehmen. OCVPN: Wie funktioniert es und was sind die Grenzen?	Martin Ruesch	09:15 – 10:45
Pause			10:45 – 11:00
<b>SD-WAN</b>	Mit neuen Anforderungen haben sich Enterprise WANs in den vergangenen Jahren dramatisch gewandelt. Ging es zunächst nur darum, Geschäftsstellen über private Verbindungen zuverlässig mit einem zentralen Unternehmensrechenzentrum zu verbinden, müssen Anwender heute auch sicher und direkt auf vertrauenswürdige Clouddienste zugreifen können. Wir zeigen was Fortinet unter „Secure SD-WAN“ versteht und erklären anhand einer live Umgebung, wie SD-WAN konfiguriert und Betrieb genommen wird.	Markus Frey, Fortinet	11:00 – 12:30
Mittagspause			12:30 – 13:30
<b>SecureAccess mit FortiSwitch</b>	Wir zeigen, wie die FortiGate mit den FortiSwitch integriert und als Controller verwendet werden kann.	Jonas Walker, Fortinet	13:30 – 15:00
Pause			15:00 – 15:15
<b>Azure</b>	FortiGate als Virtual Firewall in Azure verwenden. Was dabei beachtet werden muss und wie Azure Objekte direkt in FortiGate eingebunden werden können. Dabei verwenden wir Beispielarchitekturen für eine Cloud DMZ, Segmentation und HA-Topologien.	Gabriel Kaelin, Fortinet	15:15 – 16:45
2 FortiOS 6.0 aus der Praxis	24-OCT-2018 / r1		
<b>Abschluss</b>			16:45 – 17:00

# ALSO Schweiz AG - Locations



Founded in February  
**1984** with **3** employees  
in Hergiswil/NW



About **520** employees  
in **3** locations



**24** Apprentices



# Cyber Security Team @ ALSO Schweiz AG



**Alain Tanner**  
Head of Business  
Unit Security



**Ivo Tibolla**  
Business  
Development  
Manager Security



**Bruno Gujer**  
Business  
Development  
Manager Security



**TBH**  
Business  
Development  
Manager Security



**TBH**  
Business  
Development  
Manager Security  
(Romandie)



**Sandro Amrein**  
Product Manager  
Fortinet



**Enes Uysal**  
Product Manager  
Check Point,  
Sophos, Security  
Innovation



**Andreas Gut**  
Focus Sales  
Sophos



**Irma Wälti**  
Marketing  
Consultant



**Christian Huber**  
Technical  
Consultant



**Martin Ruesch**  
Technical  
Consultant



**Sascha Mafli**  
Technical  
Consultant



**TBH**  
Technical  
Consultant



**Patrizia Warmuth**  
Inside Sales  
Fortinet



**Virginia Bürge**  
Inside Sales  
Sophos



**Armin Halilovic**  
Inside Sales  
Fortinet & Check  
Point

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# Fortinet Value Add Distributor



**Fortinet Security Fabric**

The Fortinet Security Fabric delivers broad protection and visibility to every network segment, device, and appliance, whether virtual, in the cloud, or on-premises.

Automatically synchronize your security resources to enforce policies, coordinate automated responses to threats detected anywhere in your network, and easily manage all of your different security solutions and products through a single console.

The Fortinet Security Fabric segments the entire network from the Internet of Things (IoT) to the cloud to provide superior protection against sophisticated threats.

**BROAD** Visibility & Protection of the Digital Attack Surface

**INTEGRATED** Detection of Advanced Threats

**AUTOMATED** Response & Continuous Trust Assessment

NEW: TradeUp Program Q3'18

Fortinet hat ein neues TradeUp Programm per Q3'18 angekündigt, welches eine Vereinfachung im Ablauf bringt. Das Ausfüllen des bisherigen Formulars entfällt, da die zum TradeUp berechtigten Appliances direkt via Partner Portal ausgewählt werden können. Berechtigt sind nur Appliances gemäss EOO Liste (End of Order).

Weitere Details finden Sie hier: [TradeUp General Terms & Conditions](#)

Einige FortiWiFi Modelle in Europa nicht mehr erhältlich

Einige FortiWiFi und Access Point gemäss Tabelle unten sind seit dem 12. Juni 2018 auf Grund von Regularitäten nicht mehr erhältlich und werden auch künftig nicht mehr nach Europa geliefert.

Alle anderen FortiWiFi, FortiAP und insbesondere FortiGate sind nicht betroffen!

FortiWiFi-30E	FortiWiFi-30E-3G4G-INTL	FAP-11C	FAP-24D
FortiWiFi-40E	FortiWiFi-51E	FAP-28C	FAP-112D
FortiWiFi-40D-POE	FortiWiFi-40D	FAP-221B	FAP-221B
FortiWiFi-50D-POE	FortiWiFi-50D	FAP-223B	FAP-320B
FortiWiFi-50D-POE	FAP-C220C	FAP-C23JD	FAP-25D
FortiWiFi-50D	FAP-C225C	FAP-S322C	FAP-S321CR
AP1010i	AP1020i	FAP-S323CR	FAP-S322CR

**Tech Corner**

Fortinet Training & Workshop

Alle aktuellen Fortinet Training, Workshop und Webinare finden Sie [HIER](#)

**Support Ticket Priorisieren**

Sind Ihre Support Tickets nicht im 2nd Level, obwohl Sie zertifizierter Partner sind? Partner müssen sich via Partner Portal im Support Portal anmelden und dort Tickets für Ihre Kunden erstellen.

**Marketing**

Updates ab Q3'18 Preisliste (gültig ab 6. August 2018)

Informationen zu Neuerungen und Anpassungen finden Sie im Newsletter

- JULY Newsletter English

Die folgenden Anleitungen helfen bei der Lizenzierung von FortiGate Appliances:

- FortiGate Licensing Guide
- FortiGate Licensing Matrix

**News**

NSS Labs NGFW/SSL 2018 SVM and Report



NSS Labs 2018 NGFW - SVM

NSS Labs Next Generation Firewall (NGFW)

- ▶ **Marketing Support**
  - Microsite ([fortinet.also.ch](http://fortinet.also.ch))
  - Wiki Media
  - Partner Update Workshop
  - Partner Lead Generation (COOP)
- ▶ **Technical Support**
  - 2nd Level Customer & Partner Support
  - Professional Services
- ▶ **Bid Management**
  - Financing Services
  - Export Service
  - Special Bid Support & Tracking
  - MSRP Pricelist and Licensing Guide
- ▶ **Inventory Management**
  - Renewal Tracking
  - Fortinet 24x7 RMA depot
- ▶ **Demo und POC Material**
  - FortiGate units with full FortiGuard Services
- ▶ **Training**
  - Onsite (on-boarding, Individual)
  - ATC in Emmen, Wallisellen, Renens
  - PearsonVue Test center



# Fortinet Security Fabric



# About Fortinet

Founded: Nov. 2000

First Product Release: May 2002

Fortinet IPO: Nov. 2009

NASDAQ: FTNT

Headquarters: Sunnyvale, California

Employees: 5,462

FY 2017 Revenue: \$1.495B

Q2 2018 Revenue: \$441M

Q2 2018 Billings: \$513M

Q2 2018 EPS (GAAP): \$0.28

Q2 2018 EPS (Non-GAAP): \$0.41

Market Cap (June 29, 2018): \$10.6B

\$1.5B Cash and No Debt

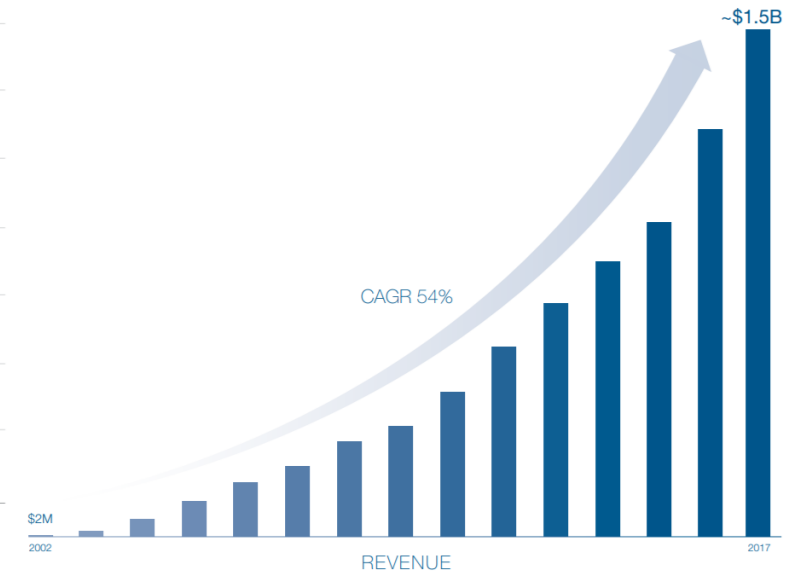
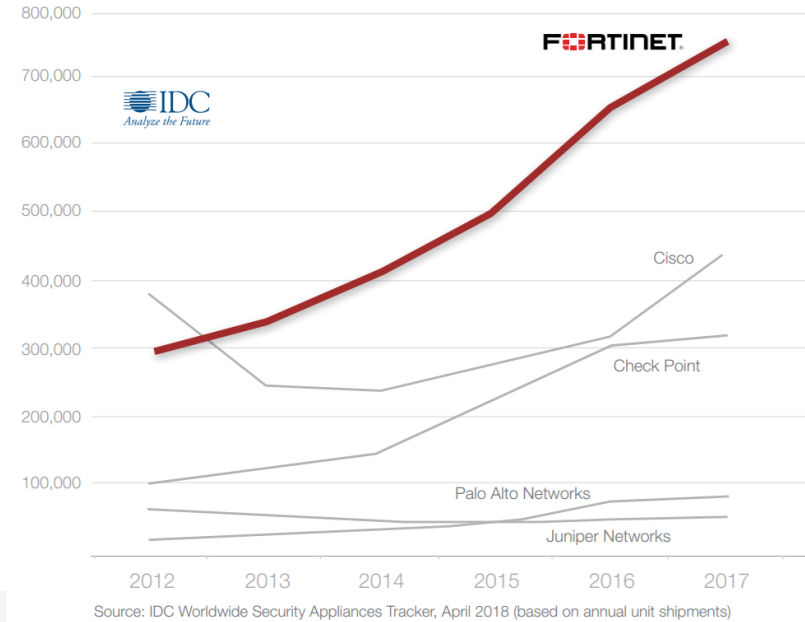
Units Shipped to Date: 4M+

Customers: 360,000+

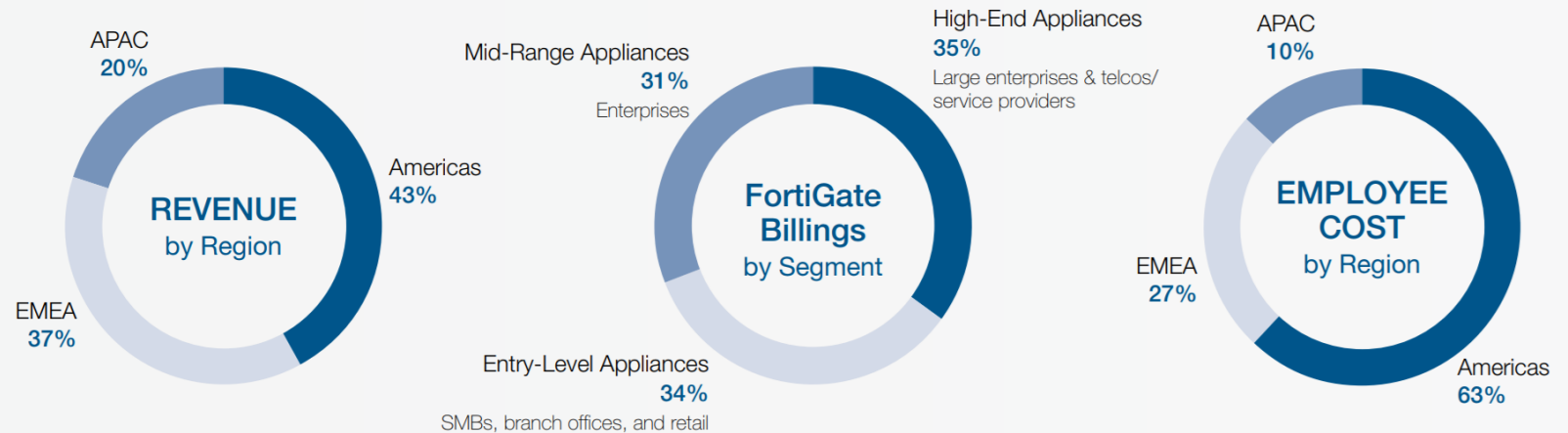
Global Patents (as of June 30, 2018)

Issued: 536

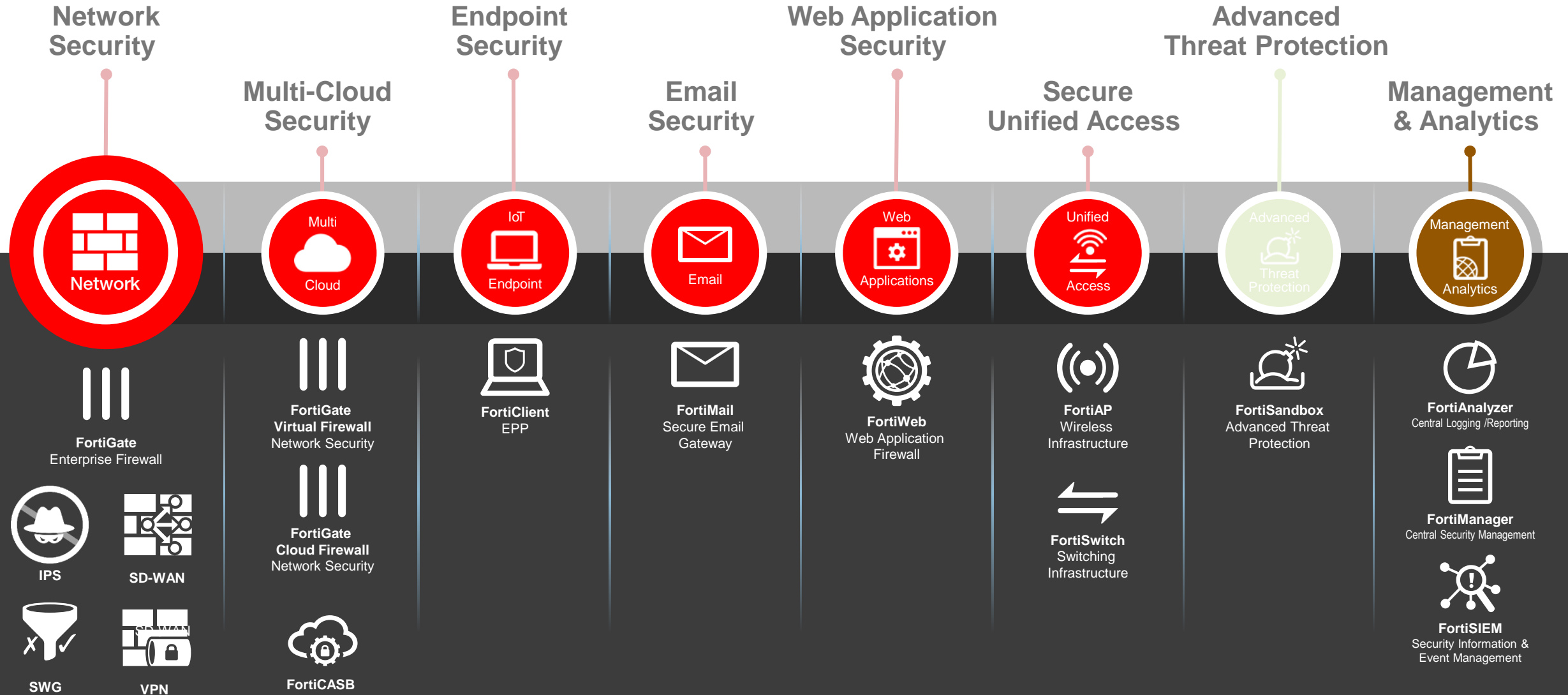
Pending: 240



## Q2 2018



# Complete Network Security Solution





# Fortinet Security Fabric

## *Fabric-enabled Advanced Threat Protection delivers...*

### Broad

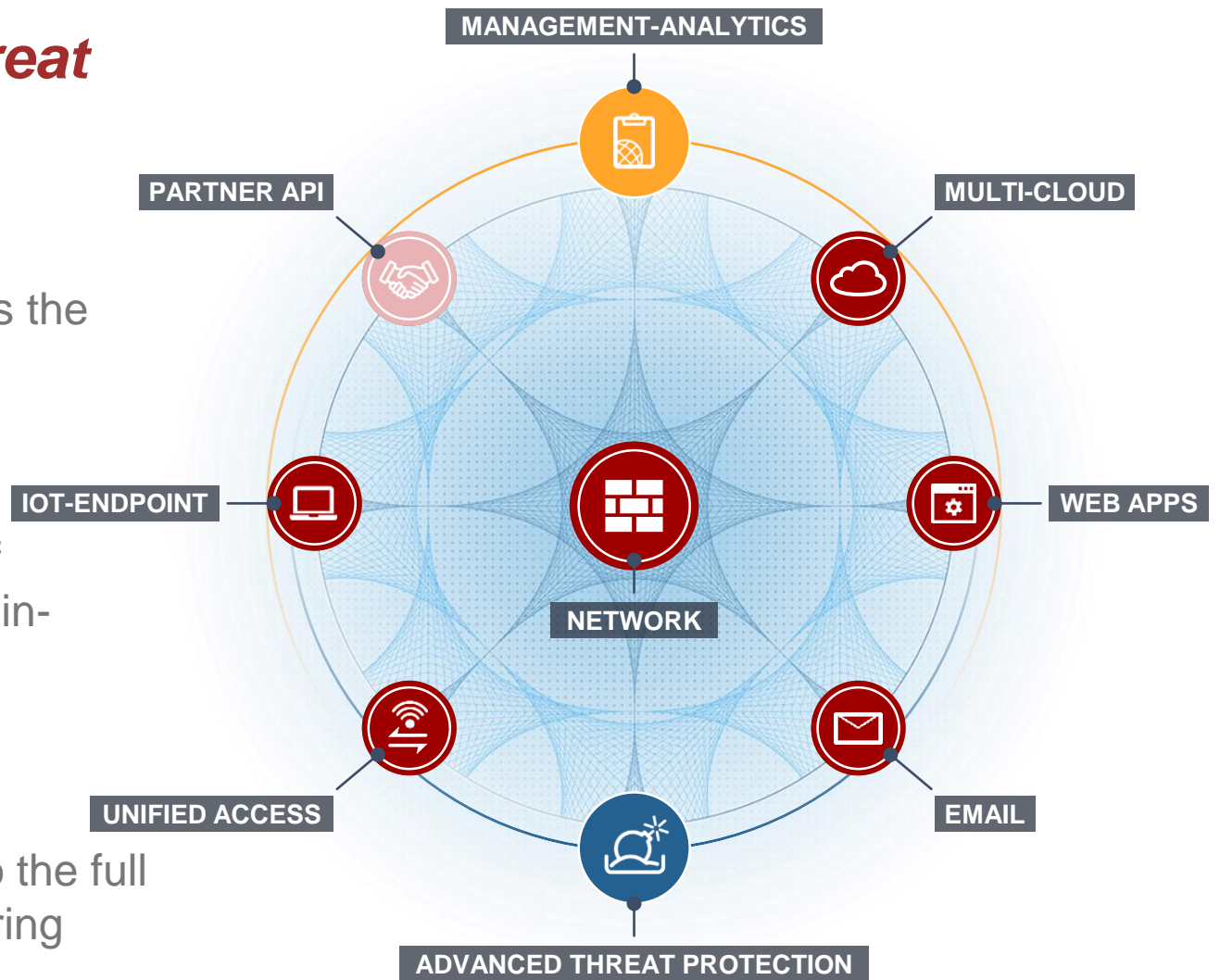
- Identification of advanced attacks across the entire attack surface through integration

### Integrated

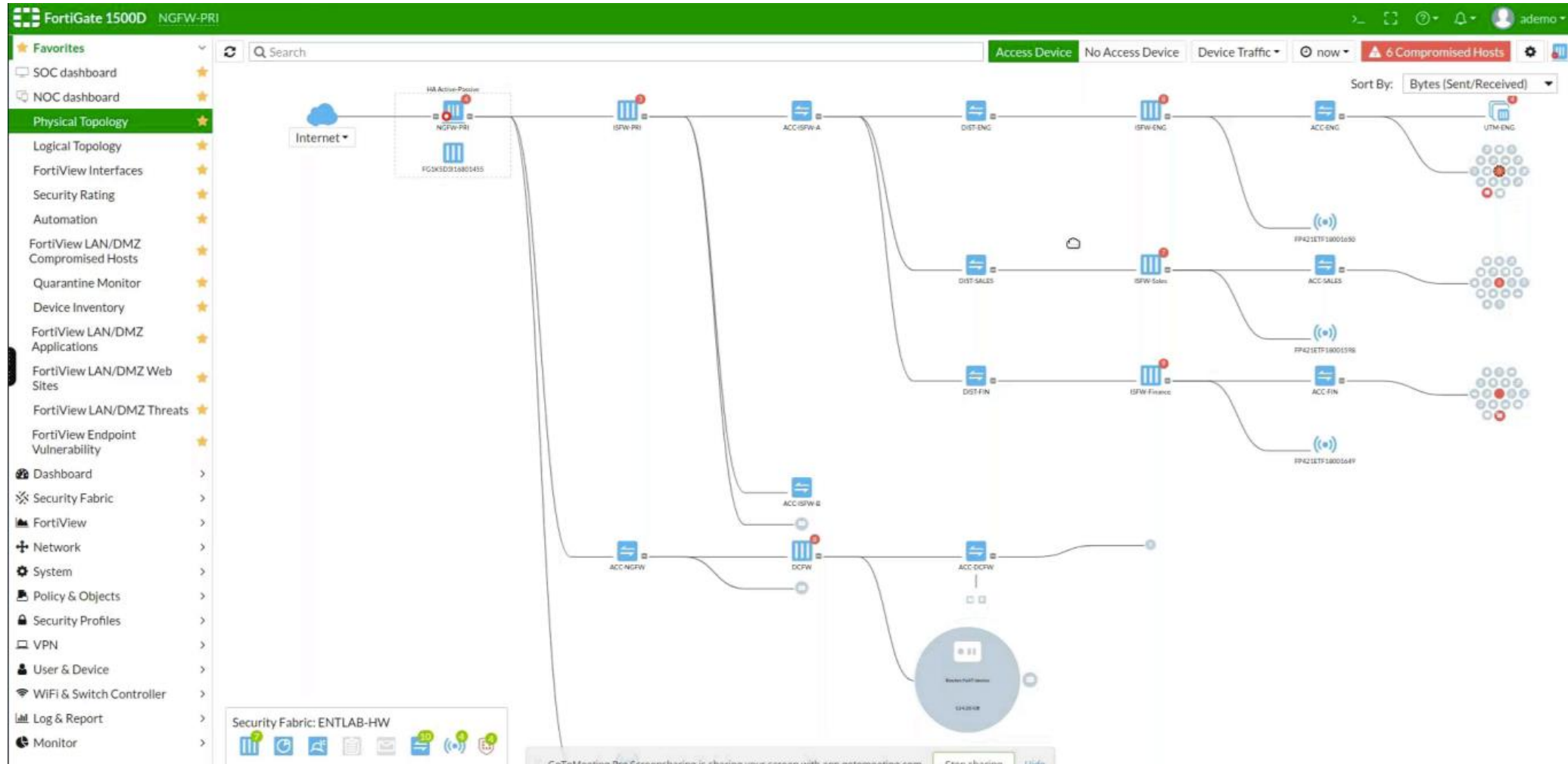
- Prevention, rather than just detection, of incidents by working in conjunction with in-place controls

### Automated

- Automated and coordinated response to the full lifecycle of each attack through IoC sharing



# Fabric Topology View

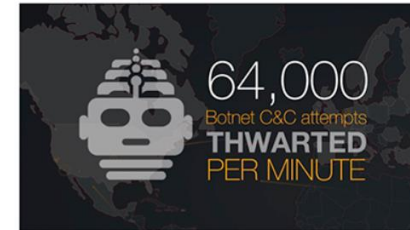


# Core Fabric Technologies





# FortiGuard Security Services



Snapshot of the activities performed by FortiGuard Labs (based on Q3 2018)

# **Zertifizierung – Network Security Expert Program**

# NSE Programm

Step	Level Objective	
<b>NSE 1</b> Security Associate	Develop a foundational understanding of the ever-increasing threat landscape and of common network security concepts.	SALES
<b>NSE 2</b> Security Associate	Develop the knowledge of Fortinet Security Fabric solutions required to address the threat landscape and security concerns discussed in NSE 1.	
<b>NSE 3</b> Security Associate	Develop the skills to describe how the features of key Fortinet products are used to create the solutions discussed in NSE 2.	
<b>NSE 4</b> Professional	Develop the knowledge to manage the day-to-day configuration, monitoring, and operation of FortiGate devices to support corporate network security policies.	TECHNICAL
<b>NSE 5</b> Analyst	Develop a detailed understanding of how to implement network security management and analytics.	
<b>NSE 6</b> Specialist	Develop an understanding of the fabric products that augment FortiGate to provide deeper and more comprehensive network security.	
<b>NSE 7</b> Architect	Develop the knowledge to integrate Fortinet products to deploy and administrate network security solutions.	
<b>NSE 8</b> Expert	Demonstrate the ability to design, configure, install, and troubleshoot a comprehensive network security solution in a live environment.	

FortiGate / FOS

FortiManager & -  
Analyzer

FortiMail, FortiADC,  
FortiSandbox, etc

«Troubleshooting»



# NSE Training @ ALSO



Training	Standort	Datum
<u><a href="#">FortiOS 6.0 aus der Praxis</a></u>	Emmen (Luzern)	24.10.2018 - 24.10.2018
<u><a href="#">FortiGate (FortiOS 5.6) für Einsteiger</a></u>	Emmen (Luzern)	20.11.2018 - 21.11.2018
<u><a href="#">NSE 4 FortiGate Security Systems I</a></u>	Online	26.11.2018 - 28.11.2018
<u><a href="#">NSE 4 FortiGate Security Systems II</a></u>	Online	29.11.2018 - 30.11.2018
<u><a href="#">FortiGate III - Fortinet Network Security Troubleshooting (NSE7)</a></u>	Online	11.12.2018 - 13.12.2018
<u><a href="#">NSE 4 FortiGate Security Systems I</a></u>	Online	17.12.2018 - 19.12.2018
<u><a href="#">NSE 4 FortiGate Security Systems II</a></u>	Online	20.12.2018 - 21.12.2018
<u><a href="#">NSE 4 FortiGate Security Systems I</a></u>	Emmen (Luzern)	21.01.2019 - 23.01.2019
<u><a href="#">NSE 4 FortiGate Security Systems I</a></u>	Wallisellen	21.01.2019 - 23.01.2019
<u><a href="#">NSE 4 FortiGate Security Systems II</a></u>	Emmen (Luzern)	24.01.2019 - 25.01.2019
<u><a href="#">NSE 4 FortiGate Security Systems II</a></u>	Wallisellen	24.01.2019 - 25.01.2019
<u><a href="#">NSE 4 FortiGate Security Systems I</a></u>	Wallisellen	25.03.2019 - 27.03.2019
<u><a href="#">NSE 4 FortiGate Security Systems I</a></u>	Emmen (Luzern)	25.03.2019 - 27.03.2019
<u><a href="#">NSE 4 FortiGate Security Systems II</a></u>	Emmen (Luzern)	28.03.2019 - 29.03.2019
<u><a href="#">NSE 4 FortiGate Security Systems II</a></u>	Wallisellen	28.03.2019 - 29.03.2019

Fortinet Training: <https://www.also-training.ch/de/module/manufacturers/8-fortinet>

# Workshop @ ALSO 2019

Workshop	Standort	Datum
FortiOS 6.2	Emmen	05. Juni 2019
Fortinet Tech Workshop	Emmen	16. Oktober 2019
NSE 1-3 Training für Sales	Emmen	Mehrere Daten (offen)
<u>ALSO Cyber Security Day</u>	Zürich	04. April 2019



- 08-12: Tech Sessions
  - 12-13: Lunch & Ausstellung
  - 13-17: Produktupdate
- Key Note: «**Effizienz oder Agilität:  
Wie überlebe ich die nächsten 2 Jahre?**»

